

Shiang-Jen Wu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

253
citations

10
h-index

15
g-index

23
ext. papers

306
ext. citations

2.8
avg, IF

3.17
L-index

#	Paper	IF	Citations
22	Stochastic Modeling for Estimating Real-Time Inundation Depths at Roadside IoT Sensors Using the ANN-Derived Model. <i>Water (Switzerland)</i> , 2021 , 13, 3128	3	0
21	Stochastic modeling of gridded short-term rainstorms 2021 , 52, 876-904		1
20	Reliability analysis for reservoir water supply due to uncertainties in hydrological factors, rainfall-runoff routing and operating rule curves. <i>Journal of Hydro-Environment Research</i> , 2021 , 34, 24-45 ²⁻³		1
19	Real-time error correction of two-dimensional flood-inundation simulations during rainstorm events. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020 , 34, 641-667	3.5	2
18	Modeling risk analysis for rice production due to agro-climate change and uncertainty in irrigation water. <i>Paddy and Water Environment</i> , 2018 , 16, 35-53	1.6	2
17	Modeling of uncertainty for flood wave propagation induced by variations in initial and boundary conditions using expectation operator on explicit numerical solutions. <i>International Journal for Numerical Methods in Engineering</i> , 2018 , 113, 1447-1465	2.4	4
16	A Case Study for the Application of an Operational Two-Dimensional Real-Time Flooding Forecasting System and Smart Water Level Gauges on Roads in Tainan City, Taiwan. <i>Water (Switzerland)</i> , 2018 , 10, 574	3	11
15	A probabilistic model for evaluating the reliability of rainfall thresholds for shallow landslides based on uncertainties in rainfall characteristics and soil properties. <i>Natural Hazards</i> , 2017 , 87, 469-513 ³		6
14	Modeling probabilistic lag time equation in a watershed based on uncertainties in rainfall, hydraulic and geographical factors 2016 , 47, 1116-1141		6
13	Modeling risk analysis for rice production due to agro-climate change in Taiwan. <i>Paddy and Water Environment</i> , 2015 , 13, 391-404	1.6	5
12	Modeling the effect of uncertainties in rainfall characteristics on flash flood warning based on rainfall thresholds. <i>Natural Hazards</i> , 2015 , 75, 1677-1711	3	21
11	Real-time correction of water stage forecast using combination of forecasted errors by time series models and Kalman filter method. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 1903-1920 ³⁻⁵	3.5	15
10	Modeling probabilistic radar rainfall estimation at ungauged locations based on spatiotemporal errors which correspond to gauged data 2015 , 46, 39-59		12
9	Real-time correction of water stage forecast during rainstorm events using combination of forecast errors. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012 , 26, 519-531	3.5	22
8	Calibration of a conceptual rainfall-runoff model using a genetic algorithm integrated with runoff estimation sensitivity to parameters. <i>Journal of Hydroinformatics</i> , 2012 , 14, 497-511	2.6	25
7	Risk analysis for flood-control structure under consideration of uncertainties in design flood. <i>Natural Hazards</i> , 2011 , 58, 117-140	3	37
6	Modeling risk analysis for forecasting peak discharge during flooding prevention and warning operation. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010 , 24, 1175-1191	3.5	33

5	Incorporating Daily Rainfall to Derive At-Site Hourly Depth-Duration-Frequency Relationships. <i>Journal of Hydrologic Engineering - ASCE</i> , 2009 , 14, 992-1001	1.8	2
4	Identification and stochastic generation of representative rainfall temporal patterns in Hong Kong territory. <i>Stochastic Environmental Research and Risk Assessment</i> , 2006 , 20, 171-183	3.5	18
3	Stochastic generation of hourly rainstorm events. <i>Stochastic Environmental Research and Risk Assessment</i> , 2006 , 21, 195-212	3.5	29
2	Variation of uncertainty of drainage density in flood hazard mapping assessment with coupled 1D/2D hydrodynamics model. <i>Natural Hazards</i> , 1	3	0
1	Stochastic modeling of artificial neural networks for real-time hydrological forecasts based on uncertainties in transfer functions and ANN weights		1